

CLAIMS

What is claimed is:

1. A system for providing access to components of a rack mount computing system, comprising:

5 a slidable electronics module shelf having a front shelf end and a rear shelf end, the shelf including an electronics components region and a rear catch mechanism at the rear shelf end, the rear catch mechanism includes at least one pivot; and

a pair of opposing electronics module guides to support and guide the shelf relative thereto, the guides having a front guide end and a rear guide end, each guide
10 including a track to support and guide the shelf thereon, the guides further including a pivot support disposed at the front guide end and configured to engage the pivot of the rear catch mechanism at the rear shelf end of the shelf, whereupon the shelf is pivotable about the pivot, the pivot being supported by the pivot support of the guides.

2. The system of claim 1, wherein the pivot support of the electronics module
15 guides includes a front guide wall and a bottom guide wall adjoining the front guide wall.

3. The system of claim 1, wherein the pivot support includes a front wall to engage the pivot whereupon the front wall stops the slidable electronics module shelf from sliding past the front wall away from the front guide end.

4. The system of claim 1, wherein the pivot is disposed below the electronics
20 components region.

5. The system of claim 1, wherein the slidable electronics module shelf includes two pivots corresponding to the pair of opposing electronics modules guides.

6. The system of claim 1, wherein the electronics module guides include two pivot supports, each corresponding to one of the electronics module guides.

5 7. The system of claim 1, wherein the slidable electronics module shelf further includes at least one front stop at the front shelf end configured to engage the pivot support of the electronics module guides, whereupon the front stop stops the slidable electronics module shelf from sliding past the pivot support toward the rear guide end.

8. The system of claim 1, wherein the pivot is coupled to the electronics
10 components region via a connector.

9. The system of claim 1, wherein the pivot support is disposed below the track.

10. The system of claim 1, wherein the pivot slides below the track as the front shelf end of the shelf slides away from the front guide end of the guides.

15 11. The system of claim 10, wherein the pivot cooperate with the track to prevent the slidable electronics module shelf from being disengaged with the tracks prior to the pivot of the shelf engaging the pivot support of the guides.

12. The system of claim 1, wherein the shelf is pivotable about the pivot such that the front shelf end tilts down to below the rear shelf end whereupon the shelf is substantially supported by the pivot support.

13. The system of claim 1, wherein the guides further include a second pivot
5 support disposed at the rear guide end.

14. A shelf support system, comprising:

a slidable shelf having a front shelf end and a rear shelf end, the shelf including a storage mounting region and a rear catch mechanism at the rear shelf end, the rear catch mechanism includes at least one pivot;

10 a pair of opposing shelf tracks having a front track end and a rear track end, the tracks being configured to support and guide the shelf relative thereto, the shelf being in a stored position when the front shelf end is approximately adjacent to the front track end and the rear shelf end is approximately adjacent to the rear track end; and

a pivot support disposed at the front track end and configured to engage the
15 pivot of the rear catch mechanism at the rear shelf end of the shelf when the rear shelf end of the shelf is approximately adjacent to the front track end of the tracks, whereupon the pivot of the shelf is supported by the pivot support and the shelf is pivotable about the pivot.

15. The system of claim 14, wherein the pivot support includes a front guide
20 wall and a bottom guide wall adjoining the front guide wall.

16. The system of claim 14, wherein the pivot support includes a front wall to engage the pivot whereupon the front wall stops the slidable shelf from sliding past the front wall away from the front track end.

17. The system of claim 14, wherein when the shelf is in the stored position, the
5 track is between the pivot and the storage mounting region.

18. The system of claim 17, wherein the pivot cooperate with the track to prevent the slidable shelf from being disengaged with the tracks prior to the pivot of the shelf engaging the pivot support.

19. The system of claim 14, wherein the slidable shelf includes two pivots
10 corresponding to the pair of opposing tracks.

20. The system of claim 14, wherein the tracks include two pivot supports, each corresponding to one of the tracks.

21. The system of claim 14, wherein the slidable shelf further includes at least one front stop at the front shelf end configured to engage the pivot support of the tracks,
15 whereupon the front stop stops the slidable shelf from sliding past the pivot support toward the rear track end.

22. The system of claim 14, wherein the pivot is coupled to the storage mounting region via a connector.

23. The system of claim 14, wherein the pivot support is disposed below the track.

24. The system of claim 14, wherein the shelf is pivotable about the pivot such that the front shelf end tilts down to below the rear shelf end whereupon the shelf is
5 substantially supported by the pivot support.

25. The system of claim 14, further comprising another of said pivot support disposed at the rear track end.